

WHAT IS CLAIMED IS:

1/ A method of fabricating an optical film, comprising:

preparing a substrate;

5 forming an alignment layer on the substrate;

rubbing the alignment layer; and

forming a liquid crystal layer on the alignment layer that includes an additive.

2. The method according to claim 1, wherein forming the liquid crystal layer comprises

10 coating a liquid crystal including the additive and plasticizing the liquid crystal on the substrate.

3. The method according to claim 2, wherein plasticizing the liquid crystal including the additive on the substrate uses one of ultraviolet rays or heat.

15 4. The method according to claim 1, wherein the additive is a surfactant.

5. The method according to claim 4, wherein the additive has both a hydrophobic group and a hydrophilic group.

20 6. The method according to claim 5, wherein the additive includes dimethylsiloxane.

7. The method according to claim 1, wherein the liquid crystal layer is a cholesteric liquid crystal layer.

8. The method according to claim 1, wherein the liquid crystal layer is a nematic liquid crystal layer.

5 9. The method according to claim 1, wherein the liquid crystal layer is a smectic liquid crystal layer.

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